AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A method of filling a liquid crystal material into a liquid crystal display panel which comprises:

providing the liquid crystal display panel having an upper substrate, a lower substrate and a seal pattern having an injection port at a peripheral portion of the seal pattern;

preparing an indentation that is indented from a side of the lower substrate to the injection port;

providing a tray having a protruded portion corresponding to the open portion;

filling the tray with the liquid crystal material;

inserting the protruded portion into the injection port; and

introducing the liquid crystal material into the liquid crystal display panel through the protruded portion and the injection port.

2. (Previously Presented) The method of claim 1, wherein the indentation has a wider width than the injection port, so that the liquid crystal material can be easily injected.

3. (Original) The method of claim 1, wherein the introducing of the liquid crystal is performed using capillary action.

4. (Original) The method of claim 1, wherein the upper substrate is smaller than the lower substrate.

5. (Original) The method of claim 4, wherein the lower substrate has a plurality of data pads and gate pads disposed on the lower substrate.

6. (Original) The method of claim 5, wherein the data pads and gate pads comprise a double bank arrangement having corresponding pads arranged at opposite sides of the lower substrate.

7. (Original) The method of claim 5, wherein the data pads and gate pads comprise a single bank arrangement having the data pads or the gate pads arranged along one side of the substrate, respectively.

8. (Original) The method of claim 1, wherein the seal pattern is printed in advance on the lower substrate.

9. (Previously Presented) A liquid crystal display panel comprising:

an upper substrate;

a lower substrate assembled with the upper substrate, the lower substrate having an indentation that is indented from a side of the lower substrate to an injection port;

liquid crystal material interposed between the upper and lower substrates; and

a seal pattern formed between the upper and lower substrates, the seal pattern having an injection port.

10. (Previously Presented) The liquid crystal display panel of claim 9, wherein the indentation has a wider width than the injection port.

11. (Original) The liquid crystal display panel of claim 9, wherein the upper substrate is smaller than the lower substrate.

12. (Original) The liquid crystal display panel of claim 9, wherein the lower substrate has a plurality of data pads and gate pads disposed on the lower substrate.

13. (Original) The liquid crystal display panel of claim 12, wherein the data pads and gate pads are a double bank arrangement having corresponding pads arranged at opposite sides of the lower substrate.

14. (Original) The liquid crystal display panel of claim 12, wherein the data pads and gate pads are a single bank arrangement having the data pads or the gate pads arranged along one side of the substrate, respectively.

15. (Original) The liquid crystal display panel of claim 9, wherein the seal pattern is printed in advance on the lower substrate.

16. (Previously Presented) A tray for filling a liquid crystal material into a liquid crystal panel, the liquid crystal panel comprising an upper substrate, a lower substrate, a seal pattern having an injection port at a peripheral portion of the seal pattern, and an indentation that is indented from a side of the lower substrate to an injection port, the tray comprising:

a body defining a cavity therein; and

a protruded portion extending from said body and corresponding to the indentation of the liquid crystal panel.

17. (Original) The tray of claim 16, wherein the protruded portion has a terminal having a wider width than the injection port.

18. (Previously Presented) A system for filling a liquid crystal material into a liquid crystal panel, the system comprising:

a liquid crystal display panel including:

an upper substrate;

a lower substrate assembled with the upper substrate, the lower substrate having an indentation that is indented from a side of the lower substrate to an injection port;

liquid crystal material interposed between the upper and lower substrates; and

a seal pattern formed between the upper and lower substrates, the seal pattern having the injection port; and

a tray including:

a body defining a cavity therein; and

a protruded portion extending from said body and corresponding to the indentation of the liquid crystal display panel.

19. (New) The method of claim 1, wherein a cleaning step is not needed.